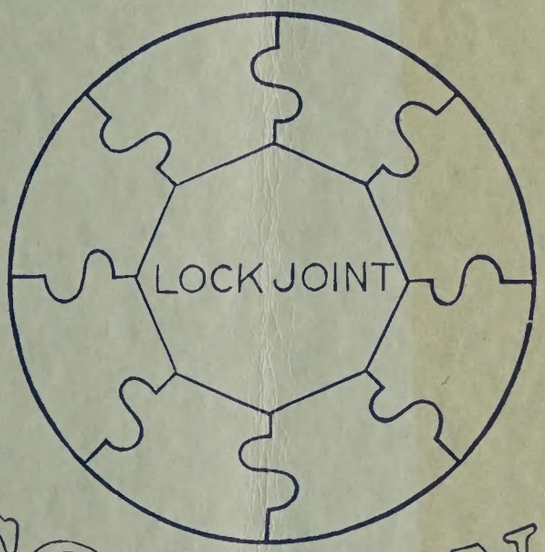
AIA File No. 19e8

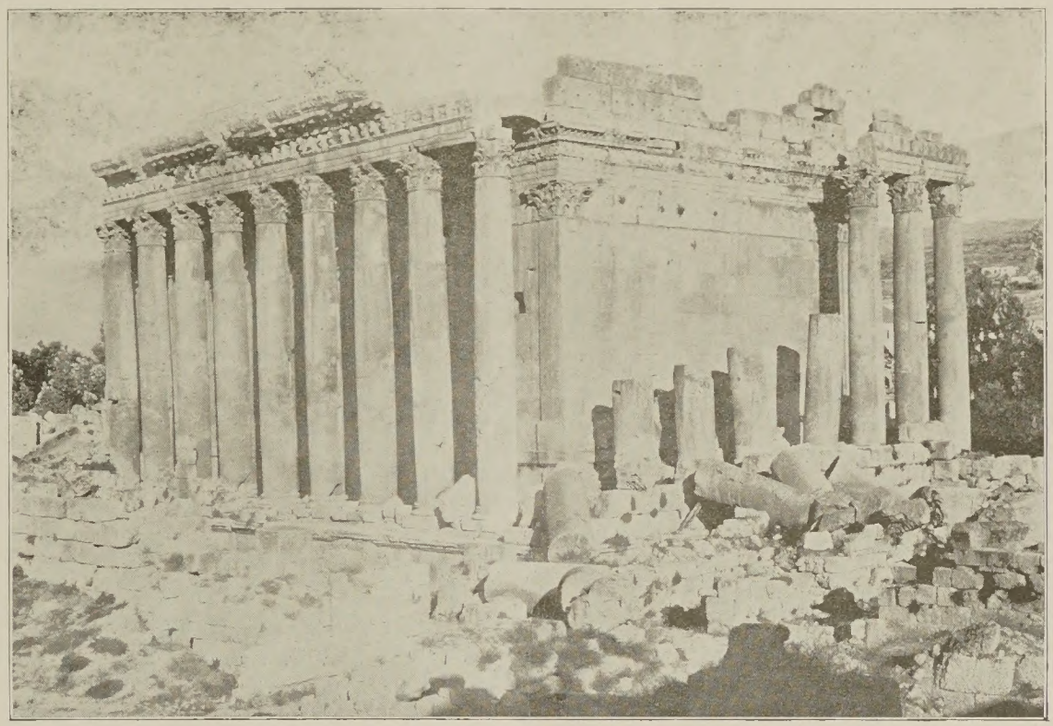
TRIUMPH



COLUMNS

THE FIREPROOF PRODUCTS CO., Inc.
536-548 EAST 133rd STREET,
NEW YORK

AIA File No. 19e8



Temple of Bacchus

TRIUMPH WOOD LOCK-JOINT COLUMNS

LOCK JOINT

CATALOG NUMBER TEN

1929

EXCLUSIVE SALES REPRESENTATIVE

The Fireproof Products Company, Inc.

536-548 East 133rd Street

NEW YORK

BRANCHES

Long Island City, N. Y.

Newark, N. J.

TRIUMPH LOCK-JOINT COLUMNS

TRIUMPH COLUMN COMPANY, Inc.
Manufacturers of Patented Lock-Joint Wood Stave Columns
MAIN OFFICE: 536 East 133rd Street, NEW YORK, N. Y.

PRODUCTS

TURNED COLUMNS, SQUARE COLUMNS and PILASTERS, for EXTERIOR and INTERIOR WORK; PERGOLA WORK; TWISTED COLUMNS; COMPOSITION CAPITALS; WOOD CARVING; CAST IRON COLUMN PLINTHS; BALUSTERS; SMALL TURNINGS.

EXECUTING WORK TO DETAILS

We specialize in building columns to architects details and especially solicit this class of business. Unless details are furnished, standard designs are made to conform to the Architectural Standards of Vignola. Columns are made turned, either plain or fluted; and square, either plain, fluted or panelled. Pilasters can be supplied to match any column.

Standard details are shown in the following pages.

TRIUMPH LOCK JOINT

Particular attention is called to the patented lock joint used to lock the staves of our columns securely together.

The design of this joint is such that it also gives an unusually large area of contact between glued surfaces, thus giving increased security against opening up of the joints.

WATERPROOF GLUE

Waterproof, cold water glue is used in putting together all columns, pilasters, caps and bases to prevent the destructive effect of moisture on joints.

STOCK AND THICKNESS

Unless otherwise specified, all columns are made of white pine expressly selected for our use. However, we are prepared to furnish any wood desired. It is important that the desired thickness of stock be specified as this determines the price to a large degree. Stock 1½" to 4" thick is used, depending on the size of column and load to be carried. In general the following proportions are used:

*Diameter of column	Up to 20 in.	20 to 26 in.	26 in. up
Thickness of stock	2 in.	2½ in.	3 in.

For unusual heights or loading, please consult us for specifications.

GUARANTEE

All columns are absolutely guaranteed as to material, workmanship and durability. Any defects due to inferior materials or workmanship will be rectified without question.

ENTASIS

All staves are formed to correct entasis in the rough, thus securing the maximum amount of stock. Staves are made one-third straight, upper two-thirds tapered, unless otherwise specified.

CAPS AND BASES

Columns can be furnished with wood caps and bases, or with composition caps of any style desired. We can also furnish special detail capitals of either composition or carved wood. Where desired, we are prepared to furnish cast iron plinths in all sizes.

FLASHING

When erecting, cap must be entirely covered with flashing of sheet lead or copper. Architects should see that this important feature is not overlooked in their specifications.

REINFORCING

The bottom of all columns without bases and the bottom and top of all large columns are reinforced with a heavy corrugated steel band. See detail on following page.

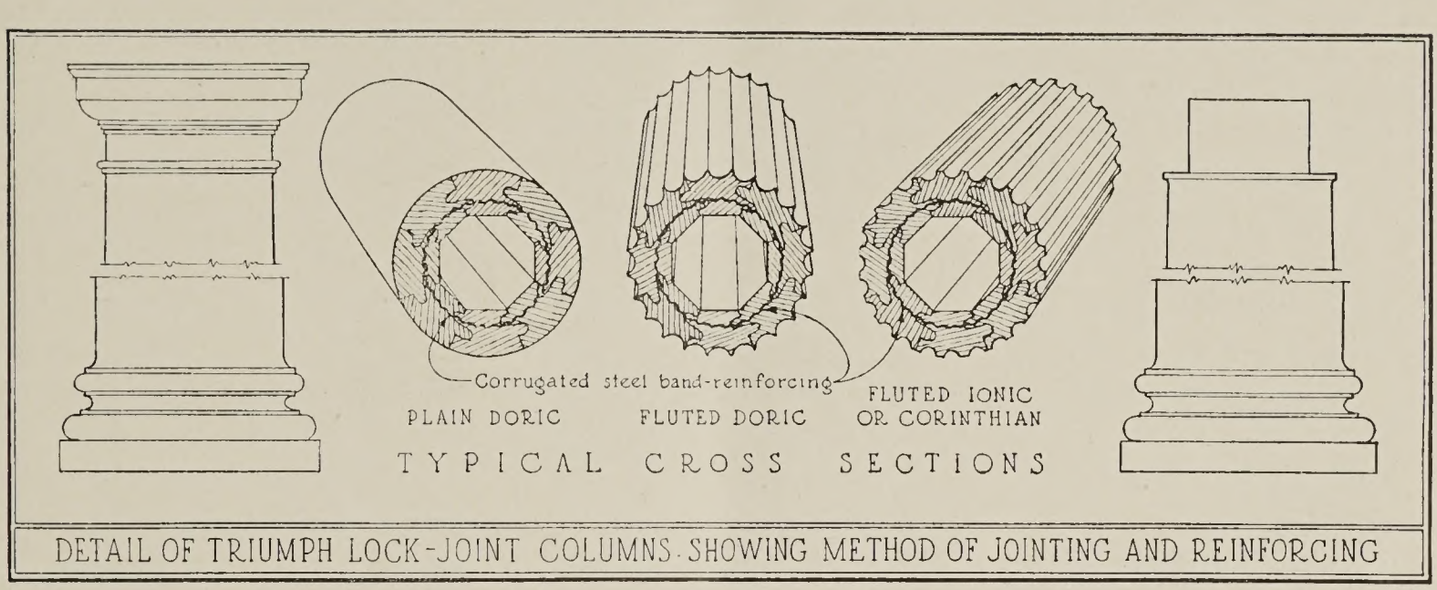
WATERPROOFING

The inside of all columns 16" in diameter and over is painted with a special waterproofing paint.

PRIMING

Unless otherwise specified, all columns and pilasters are given two priming coats of a paint specially designed to give protection but easily covered by a finish coat which should be applied immediately on receipt of columns.

Triumph Lock-Joint Columns



DETAIL OF TRIUMPH LOCK-JOINT COLUMNS SHOWING METHOD OF JOINTING AND REINFORCING

Protection

As we give columns a prime coat only, it is imperative that they be painted at once. If for any reason, the columns cannot be immediately used, cover them with waterproof paper and keep them off the ground.

When being erected the ends of the shaft, top and bottom of all cap and base members and the floor on which the column rests should be given a coat of white lead. Columns without bases should be placed on a sheet of lead or copper and sheet and end of shaft covered with white lead.

Manufacturing Facilities

We are equipped to make columns of all sizes and to any detail that you may submit. We manufacture both interior and exterior columns. Our factory is equipped with special machinery for this kind of work, and workmen who have been employed by us for years have been trained to maintain the very highest standards of workmanship on our products.

Your requirements of twisted turnings can be met without delay. We also make Urns, Newel Posts, Balustrade Ornaments — in fact, anything that can be turned of wood.

Shipping and Deliveries

Our convenient location in New York City enables us to make prompt shipments by railroad or boat and, when required, we can deliver by auto truck within 25 miles of the Metropolitan area.

Prices

Inasmuch as columns are manufactured individually to meet each requirement peculiar to particular jobs, it is impossible to publish a standard list price. Upon request, we will gladly quote on columns to meet your requirements from either our standard designs or your own details.

Our first consideration in making Triumph Columns is to maintain the highest standard of quality and workmanship. Prices are kept as low as is consistent with this principle. We particularly solicit inquiries on special detail work of the highest quality.

For the convenience of customers who are not prepared to furnish their own details, we illustrate a number of standard designs in the following pages. These may be ordered by simply specifying the style, height, diameter and number of columns desired and will be built with the same care and material as a special column. If doubtful as to the diameter of column to use, simply specify the height and we will furnish the proper diameter according to the best architectural practice.

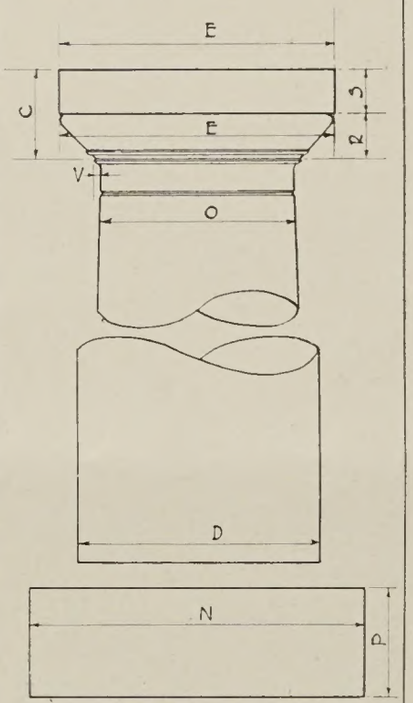
ARCHITECT'S SPECIFICATION

All exterior columns shall be built up of selected white pine staves, other woods, such as cypress, may be used when desired, which shall be joined by a lock joint with waterproof cold water glue. Stock to be used shall be (*) inches thick. The inside of all columns 16 inches in diameter and over shall be coated with a waterproofing paint and all columns shall be primed at the plant of the manufacturer with a protective paint. In erecting, care must be taken to cover entire caps of all columns with flashing of copper or sheet lead.

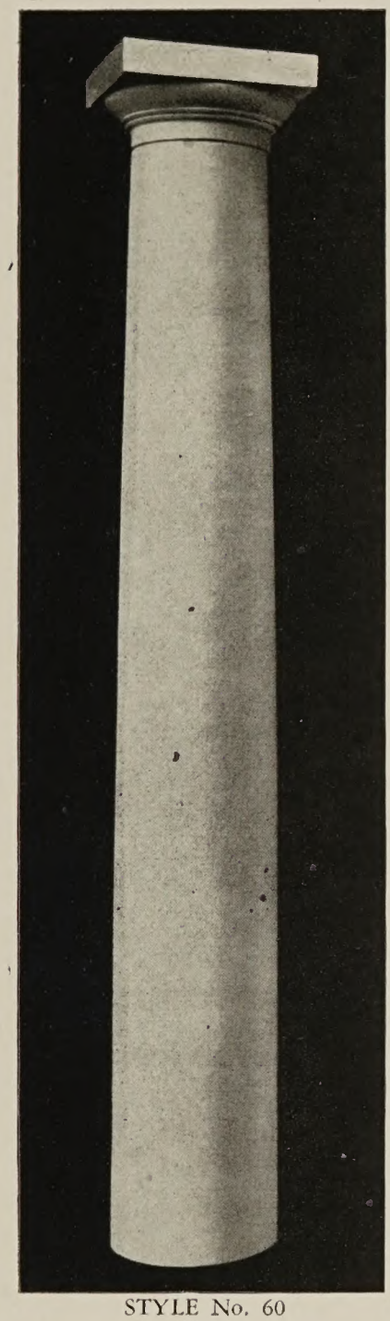
GREEK DORIC ORDER

STYLE
Nº 60.

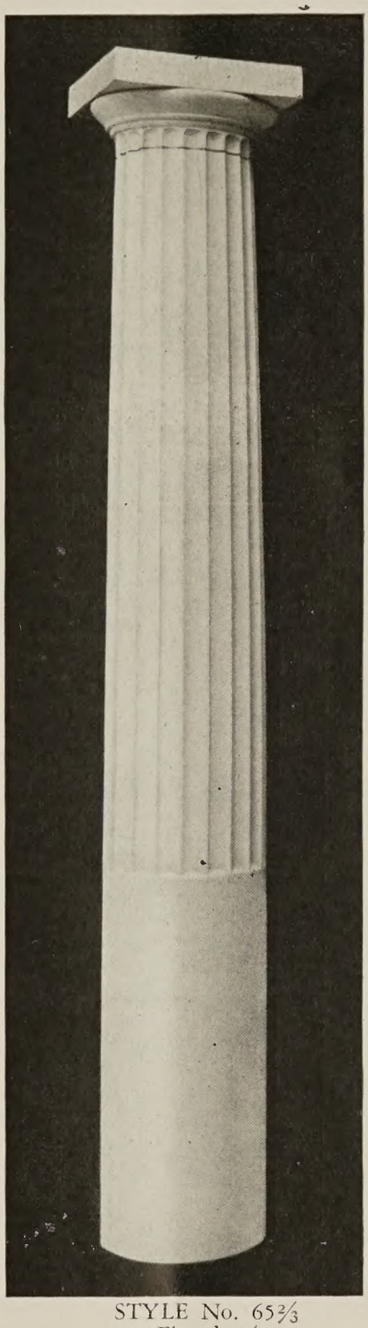
DIAMETER AT		CAP				BASE		COVE
		HEIGHT			BREADTH	HEIGHT	BREADTH	
BASE	NECK	TOTAL	SQUARE	ROUND	SQUARE & ROUND	SQUARE	SQUARE	
D	O	C	S	R	E	P	N	V
6	5	2½	1¼	1¼	8¼	1¼	7	3/16
7	6	3½	1¾	1¾	9¼	1¾	8	3/16
8	7	3½	1¾	1¾	10¼	1¾	9	3/8
9	7½	3½	1¾	1¾	11¼	1¾	10	3/8
10	8	3½	1¾	1¾	12¼	1¾	11	3/8
11	9	4½	2¼	2¼	13¼	2¼	12	½
12	10	4½	2¼	2¼	14¼	2¼	13	½
13	11	5½	2¾	2¾	16	2¾	14	½
14	12	5½	2¾	2¾	17½	2¾	15¼	½
15	12½	5½	2¾	2¾	19	3¼	16¾	½
16	13	5½	2¾	2¾	20	3¾	17¼	½
18	15	6	2¾	3¼	22.	4¼	19½	½
20	17	7¼	3½	3¾	25	4¾	21½	¾
22	18½	7½	3¾	3¾	27	5¼	23½	¾
24	20	8¼	3¾	4½	30	5¾	25½	¾
26	22	9¼	4¾	4½	33	6½	27½	1
28	23½	9¼	4¾	4½	35½	6¾	29½	1
30	25	10¼	5	5¼	38	7½	31½	1
32	27	10¼	5	5¼	40½	7¾	34	1
34	28½	10½	5	5½	43	8½	36	1
36	30	10½	5	5½	45½	8¾	38	1



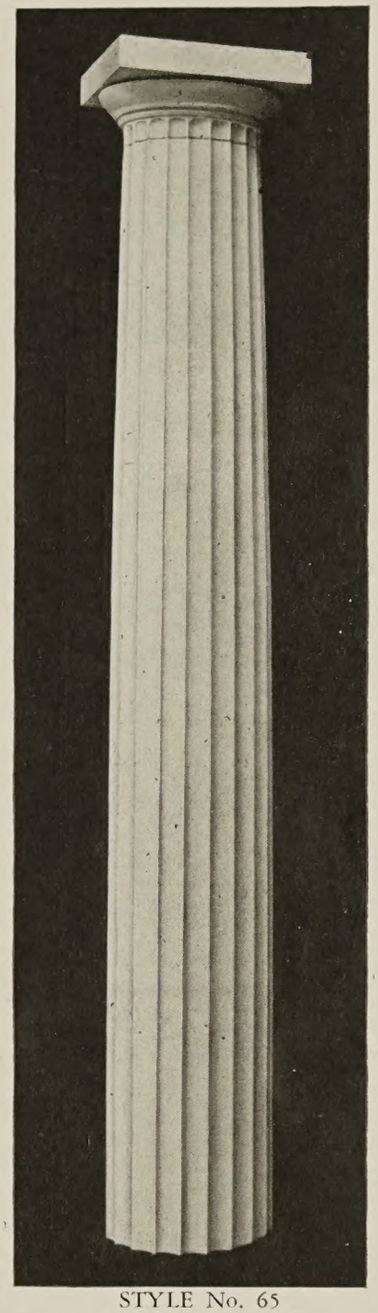
TRIUMPH LOCK-JOINT COLUMNS



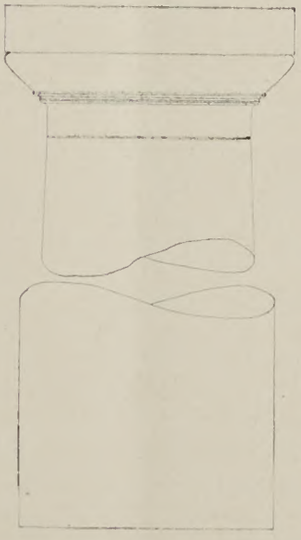
STYLE No. 60
Plain



STYLE No. 65⅔
Fluted ⅔



STYLE No. 65
Fluted Full Length



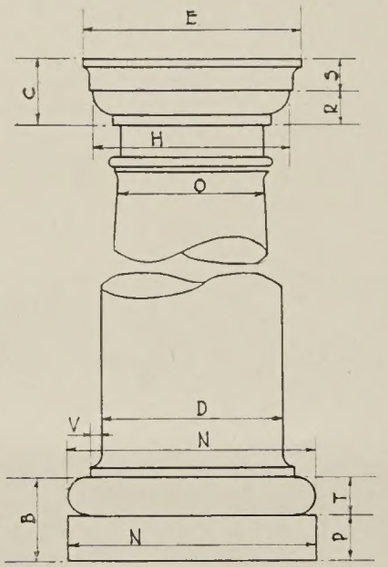
Detail

Greek Doric Order
Style No. 60

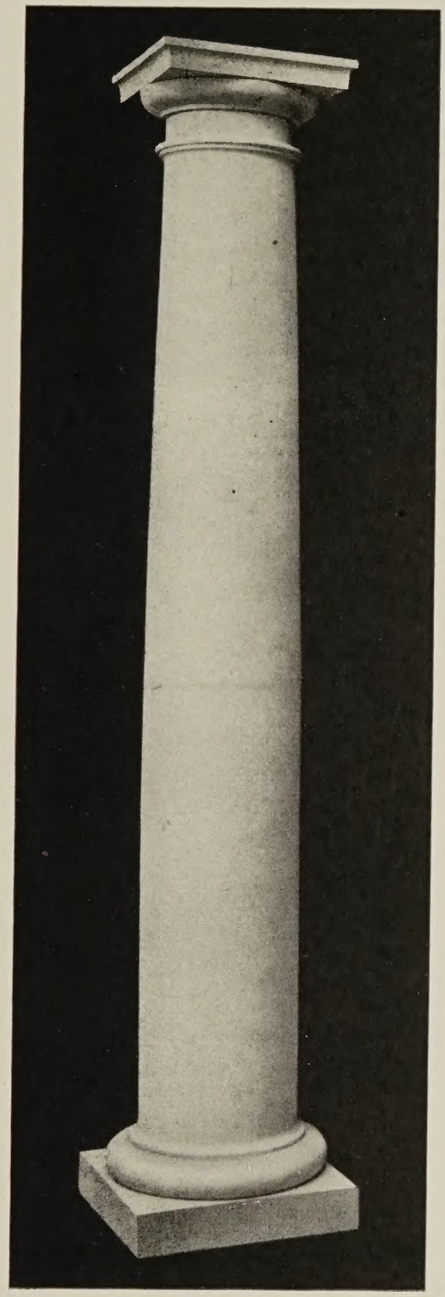
SPECIAL TUSCAN ORDER

STYLE Nº 70

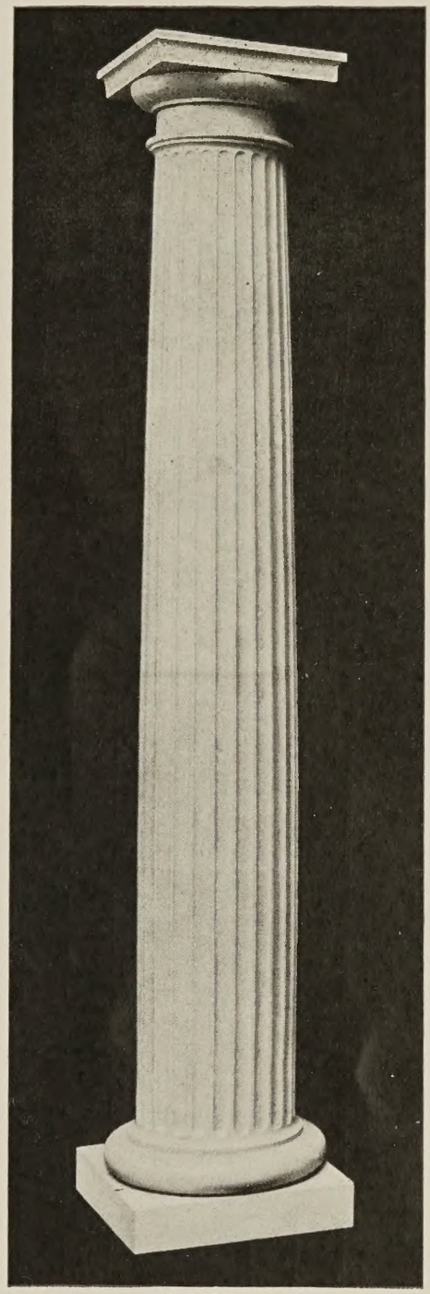
DIAMETER AT		TOTAL HEIGHT OF			CAP				BASE			COVE
					HEIGHT		BREADTH		HEIGHT		BREADTH	
BASE	NECK	CAP & BASE	CAP	BASE	SQUARE	ROUND	SQUARE	ROUND	ROUND	SQUARE	ROUND & SQUARE	
D	O	C & B	C	B	S	R	E	H	T	P	N	V
6	5	6¼	2¾	3½	1⅜	1⅜	9	8	1¾	1¾	9	3/16
7	6	6¼	2¾	3½	1⅜	1⅜	10	9	1¾	1¾	10	3/16
8	7	8	3½	4½	1¾	1¾	11	10	2¼	2¼	11	⅜
9	7½	8	3½	4½	1¾	1¾	12	11	2¼	2¼	12	⅜
10	8	8	3½	4½	1¾	1¾	13	12	2¼	2¼	13	⅜
11	9	10	4½	5½	2¼	2¼	15	14	2¾	2¾	15	½
12	10	10	4½	5½	2¼	2¼	16	15	2¾	2¾	16	½
13	11	11	4½	6½	2¼	2¼	17	16	3¼	3¼	17½	½
14	12	11	4½	6½	2¼	2¼	18½	17	3¼	3¼	18½	½
15	12½	12	5½	6½	2¾	2¾	19½	18	3¼	3¼	20	½
16	13	13	5½	7½	2¾	2¾	20½	19	3¾	3¾	21½	½
18	15	13	5½	7½	2¾	2¾	22½	21	3¾	3¾	24	½
20	17	15	6½	8½	3¼	3¼	25	23	4¼	4¼	27½	¾
22	18½	16	7	9	3½	3½	27½	25½	4½	4½	30½	¾
24	20	17½	7½	10	3¾	3¾	30	27½	4¾	5¼	33	¾
26	22	19½	8½	11	4¼	4¼	32½	30	5¼	5¾	35½	1
28	23½	20¾	9	11¾	4½	4½	35	32	5½	6¼	38	1
30	25	22¼	9½	12¾	4¾	4¾	37½	34½	6	6¾	40½	1
32	27	24	10	14	5	5	40	37	6½	7½	43	1
34	28½	25	10½	14½	5¼	5¼	42½	39½	6¾	7¾	45½	1
36	30	26½	11	15½	5½	5½	45½	42½	7¼	8¼	48½	1



TRIUMPH LOCK-JOINT COLUMNS



STYLE No. 70
Plain



STYLE No. 75
Fluted

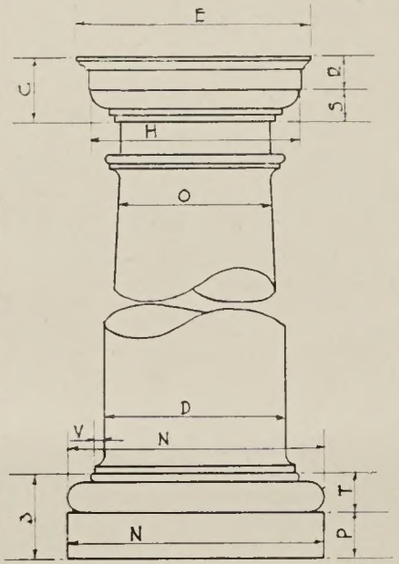
Detail

Tuscan Order
Style No. 70

ROMAN DORIC ORDER

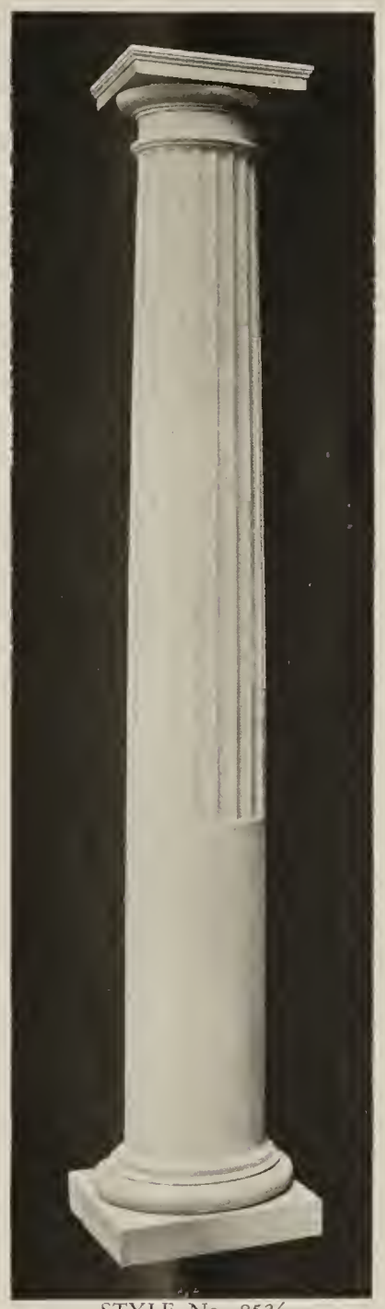
STYLE
Nº 80

DIAMETER AT		TOTAL HEIGHT OF			CAP				BASE			COVE
					HEIGHT		BREADTH		HEIGHT		BREADTH	
BASE	NECK	CAP & BASE	CAP	BASE	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	ROUND & SQUARE	
D	O	C & B	C	B	R	S	E	H	P	T	N	V
6	5	5½	2¾	2¾	1⅜	1⅜	9	8	1⅜	1⅜	9	3/16
7	6	7	3½	3½	1¾	1¾	10	9	1¾	1¾	10	3/16
8	7	7	3½	3½	1¾	1¾	11	10	1¾	1¾	11	3/8
9	7½	7	3½	3½	1¾	1¾	12	11	1¾	1¾	12	3/8
10	8	7	3½	3½	1¾	1¾	13	12	1¾	1¾	13	3/8
11	9	9	4½	4½	2¼	2¼	15	14	2¼	2¼	15	½
12	10	9	4½	4½	2¼	2¼	16	15	2¼	2¼	16	½
13	11	11	5½	5½	2¾	2¾	17	16	2¾	2¾	17	½
14	12	11	5½	5½	2¾	2¾	18½	17	2¾	2¾	18½	½
15	12½	11¾	5½	6¼	2¾	2¾	19½	18	3¼	3	20	½
16	13	12¾	5½	7¼	2¾	2¾	20½	19	3¾	3½	21½	½
18	15	13½	5½	8	2¾	2¾	22½	21	4¼	3¾	24	½
20	17	15¾	7	8¾	3½	3½	25	23	4¾	4	27	¾
22	18½	17¼	7½	9¾	3¾	3¾	27½	25½	5¼	4½	30	¾
24	20	17¾	7½	10¼	3¾	3¾	30	27½	5¾	4½	32½	¾
26	22	20¼	9	11¼	4¾	4¼	32½	30	6½	4¾	35	1
28	23½	21¼	9	12¼	4¾	4¼	35	32	6¾	5½	37½	1
30	25	22¾	9½	13¼	5	4½	37½	34½	7½	5¾	40	1
32	27	23¾	9½	14¼	5	4½	40	37	7¾	6½	42½	1
34	28½	24¾	9½	15¼	5	4½	42½	39½	8½	6¾	45	1
36	30	25¾	9½	16¼	5	4½	45½	42½	8¾	7½	48	1



Triumph Lock-Joint Columns

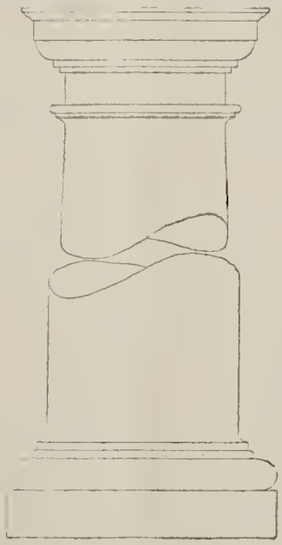
STYLE No. 80
Plain



STYLE No. 85⅔
Fluted ⅔

STYLE No. 85
Fluted

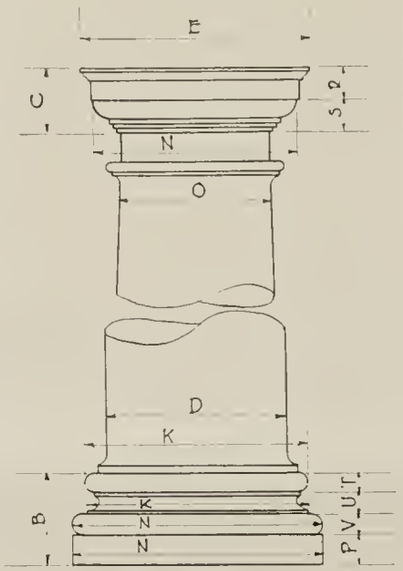
Detail



Roman Doric Order
Style No. 80

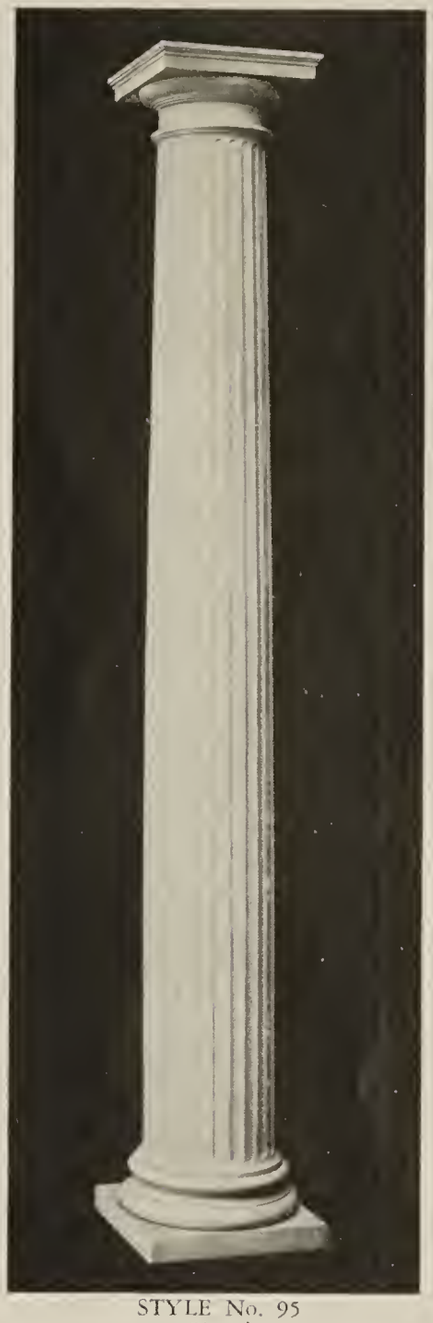
DORIC CAP & ATTIC BASE. STYLE Nº 90.

DIAMETER AT		TOTAL HEIGHT OF			CAP				BASE						COVE
					HEIGHT		BREADTH		HEIGHT				BREADTH		
BASE	NECK	CAP & BASE	CAP	BASE	SQUARE	ROUND	SQUARE	ROUND	TOP ROUND	MIDDLE ROUND	BOTTOM ROUND	SQUARE BASE	TOP & MIDDLE ROUND	BOTTOM ROUND & SQUARE	
D	O	C & B	C	B	R	S	E	H	T	U	V	P	K	N	
6	5	6	2½	3½	1¼	1¼	9	8	2¼			1¼	7½	8¼	3/16
7	6	7	3½	3½	1¾	1¾	10	9	2¼			1¼	8½	9¼	3/16
8	7	8	3½	4½	1¾	1¾	11	10	2¾			1¾	9⅞	11¼	3/8
9	7½	8	3½	4½	1¾	1¾	12	11	2¾			1¾	11	12¼	3/8
10	8	9¼	3½	5¾	1¾	1¾	13	12	3½			2¼	12¼	14	3/8
11	9	10¼	4½	5¾	2¼	2¼	15	14	3½			2¼	13¼	15	½
12	10	10½	4½	6	2¼	2¼	16	15	3¾			2¼	14¼	16	½
13	11	12¼	5½	6¾	2¾	2¾	17	16	2¾		1¾	2¼	15½	17½	½
14	12	12¼	5½	6¾	2¾	2¾	18½	17	2¾		1¾	2¼	17	19	½
15	12½	12¼	5½	6¾	2¾	2¾	19½	18	2¾		1¾	2¼	18¼	20¼	½
16	13	13¼	5½	7¾	2¾	2¾	20½	19	3¼		1¼	2¾	19¼	21¾	½
18	15	14¼	5½	8¾	2¾	2¾	22½	21	3¾		2¼	2¾	21¼	25	½
20	17	16½	7	9¾	3½	3½	25	23	2¾		3¾	3¼	24	27¾	¾
22	18½	18¾	7½	11¼	3¾	3¾	27½	25½	3¾		3¾	3¾	26¼	30½	¾
24	20	19	7½	11½	3¾	3¾	30	27½	3¾		3¾	4	28½	33¼	¾
26	22	21	8½	12½	4¾	3¾	32½	30	2¾	2¾	2¾	4¼	31¼	36	1
28	23½	22	8½	13½	4¾	3¾	35	32	2¾	2¾	3¼	4¾	33½	38¾	1
30	25	24¾	9½	15¼	5	4½	37½	34½	2¾	3¾	3¾	5	35¾	41¾	1
32	27	25	9½	15½	5	4½	40	37	2¾	3¾	3¾	5¼	38	44½	1
34	28½	26¾	9½	16¾	5	4½	42½	39½	4¾		6¼	5¾	40¼	47¼	1
36	30	27½	9½	18	5	4½	45½	42½	5¾		6¼	6	42½	50	1



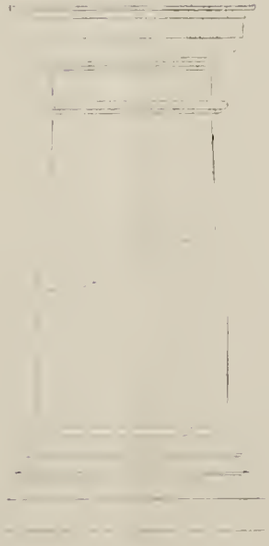
Triumph Lock-Joint Columns

STYLE No. 90
Plain



STYLE No. 95
Fluted

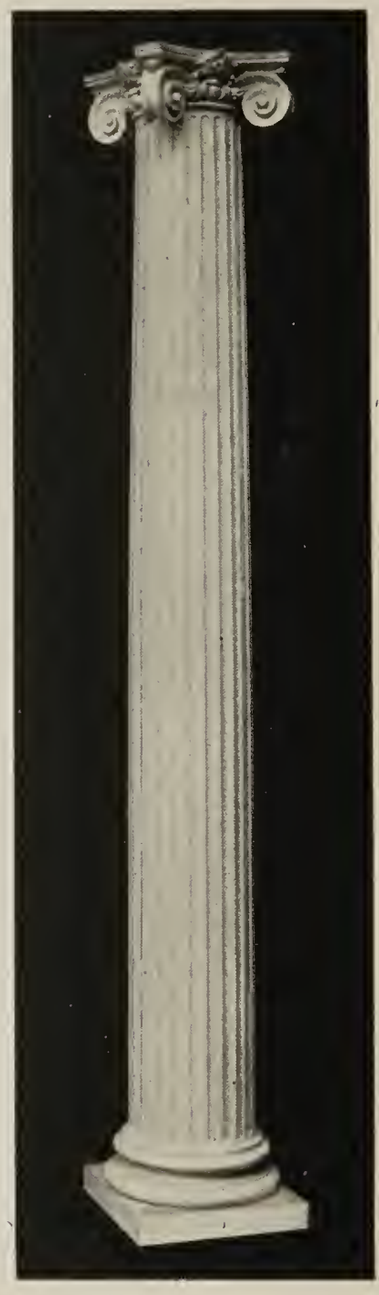
Detail



Doric Cap and Attic Base
Style No. 90

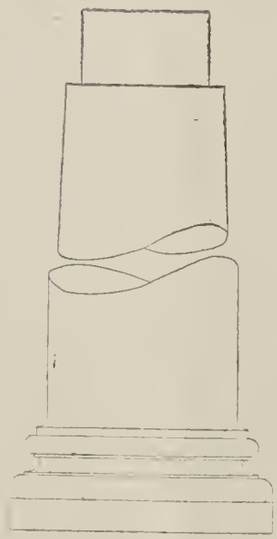
TRIUMPH LOCK-JOINT COLUMNS

STYLE No. 100
Plain



STYLE No. 105
Fluted

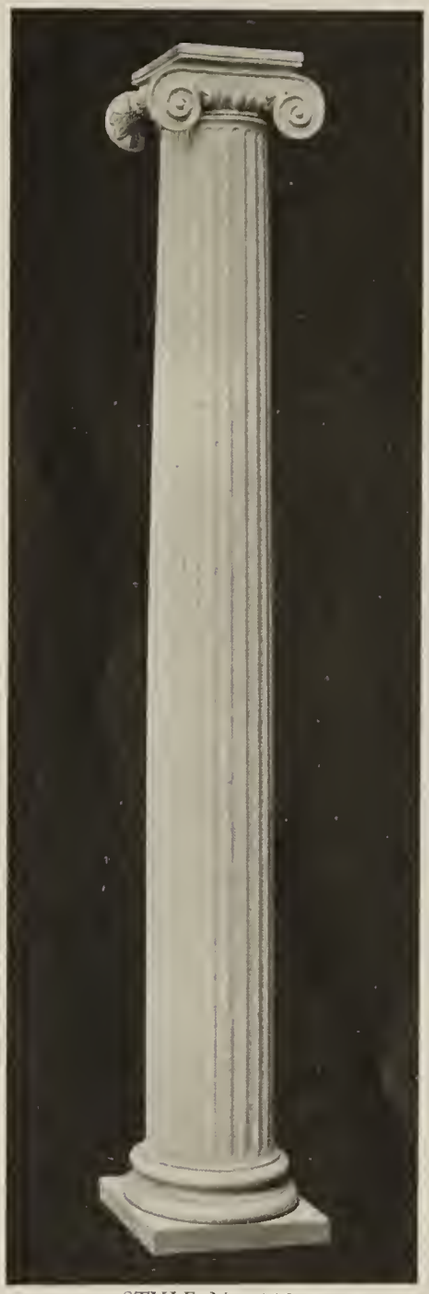
Detail



Style No. 100
Scamozzi Cap and Attic Base
Detail dimensions of shaft and base same as Style No. 90.

TRIUMPH LOCK-JOINT COLUMNS

STYLE No. 110
Plain

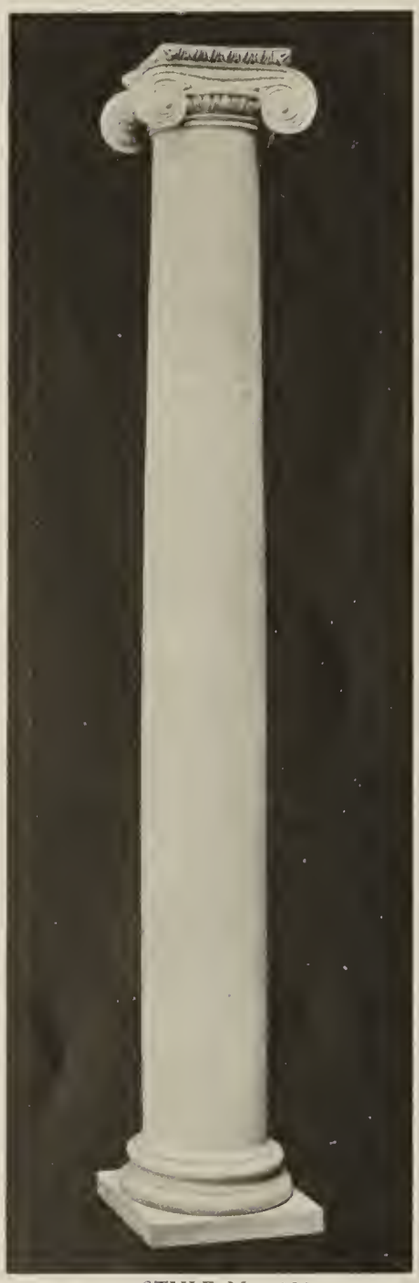


STYLE No. 115
Fluted

Detail

Style No. 110
Roman Ionic Cap, Attic Base
Detail dimensions of shaft and base same as Style No. 90.

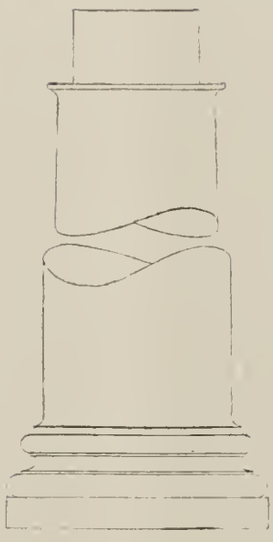
Triumph Lock-Joint Columns



STYLE No. 120
Plain

STYLE No. 125
Fluted

Detail



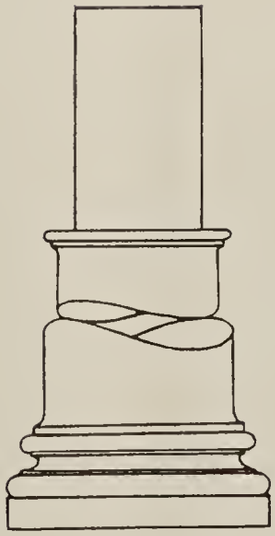
Style No. 120
Greek Ionic Cap, Attic Base
Detail dimensions of shaft and base same as Style No. 90.

Triumph Lock-Joint Columns

STYLE No. 130
Plain

STYLE No. 135
Fluted

Detail



Style No. 130
Roman Corinthian Cap
Attic Base

Detail dimensions of shaft and base same as Style No. 90.

CAPS AND BASES

We are fully equipped to furnish composition capitals and carved wood capitals in any style; either stock designs or to architects' details. Our composition capitals are made of exterior composition and are warranted to stand any climatic changes.

We also have a full line of cast iron plinths. If desired these can be cast to your special detail. Iron plinths afford sufficient ventilation in the column shaft to considerably prolong the life of the column. Their use is highly recommended.

The following standard types can be supplied for any size of column.

A—SCAMOZZI

D—ANGULAR ROMAN IONIC

B—ROMAN IONIC

E—GREEK IONIC

C—GREEK IONIC

F—MODERN IONIC

Triumph Lock-Joint Columns

G GREEK ERECHTHEUM

K—MODERN IONIC WITH NECKING

H ANGULAR GREEK IONIC WITH NECKING

L—ROMAN CORINTHIAN

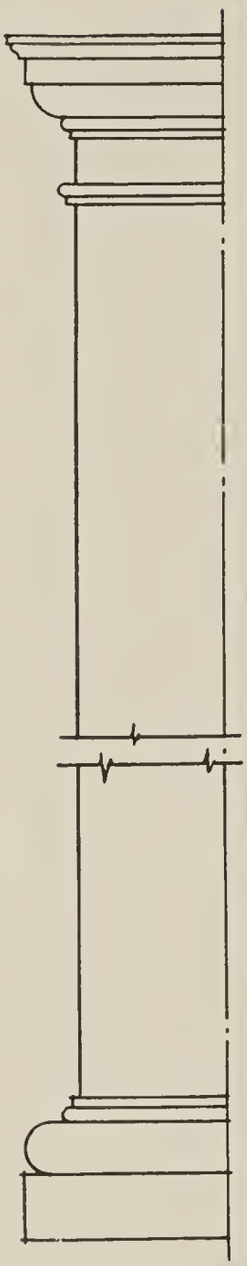
I—ROMAN DORIC

M—COMPOSITE CORINTHIAN

J—SCAMOZZI WITH NECKING

N—TEMPLE OF WINDS

Triumph Lock-Joint Columns



Detail of square column

Square Column Fluted Plain or Paneled

Square columns and pilasters can be made either to detail or to match turned columns.

In ordering please state whether they are to be tapered or straight. Be sure and give the size of the return of the pilaster.

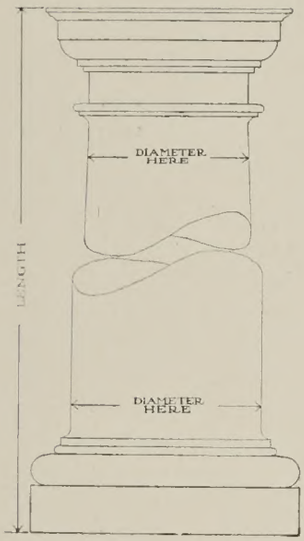
PATENTED { SEPTEMBER 13, 1904 / JANUARY 29, 1907

CAST IRON PLINTHS
For Round or Square Columns and Pilasters

CAST IRON PLINTHS

8 x 8 x 1⅞
9 x 9 x 1⅞
10 x 10 x 2
11 x 11 x 2⅛
12 x 12 x 2⅛
13 x 13 x 2⅛
14 x 14 x 2¼
16 x 16 x 2½
17 x 17 x 2½
18 x 18 x 2½
20 x 20 x 2¾
22 x 22 x 3
24 x 24 x 3⅛
26 x 26 x 3¼
28 x 28 x 3⅜
30 x 30 x 3½
32 x 32 x 4
36 x 36 x 4½
39 x 39 x 6
42 x 42 x 6
48 x 48 x 6
50 x 50 x 6

DIRECTIONS FOR ORDERING



When ordering columns or asking for estimate give the number of columns wanted, size at largest and smallest diameter, length of column over all, and state whether shaft is plain or fluted. Specify the thickness and kind of stock desired. For pilasters give size of face and return at base and neck of shaft, length over all, thickness and kind of stock desired. Show plan of pilaster, and state whether straight or tapered, also whether plain, fluted or paneled.

The various styles shown in this catalog conform strictly to the Classic Orders in detail of cap, base and entasis of shaft. If preferred, columns are turned to your detail without extra charge.

Details should accompany requests for prices on special work.

Terms

All prices are F. O. B. cars our factory unless otherwise noted on our quotation. Net cash 30 days or 2% discount 10 days from date of invoice.

Orders are accepted subject to the approval of our Credit Department and customers who do not already have accounts with us are requested to cooperate with us by furnishing two or more trade references with their initial order as a basis for establishing credit.

AS ALL GOODS ARE SHIPPED F. O. B. CARS WE ARE NOT RESPONSIBLE FOR DAMAGE OR LOSS IN TRANSIT; our Bill of Lading being guarantee that the number of packages called for were delivered to the Railroad Company in good order. ALL DAMAGE OR SHORTAGE SHOULD BE NOTED ON FREIGHT BILL BY THE AGENT BEFORE PAYMENT IS MADE and claim for such damage or shortage made directly to the Railroad Company.

Instructions for Handling Columns

Do not store columns on the ground, in cellars or other places where they will absorb dampness.

When erecting, cap must be entirely covered with flashing of sheet lead or copper. Ends of shaft, top and bottom of all cap and base members, also floor on which the column rests, should be given a coat of white lead. Columns without bases should be placed on a sheet of lead or copper and sheet and end of shaft covered with white lead.

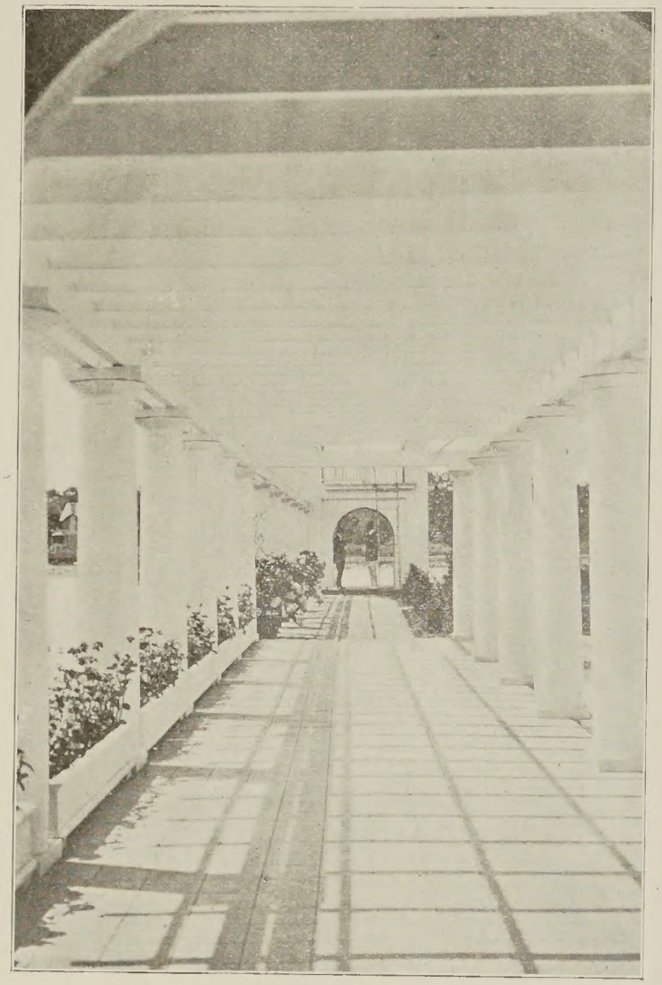
IMPORTANT—We only prime columns, therefore they should be painted IMMEDIATELY.

The above procedure in setting and handling columns is absolutely necessary for satisfactory results and is essential for your protection under the Triumph Column Co., Inc., guarantee.

Use of Tables

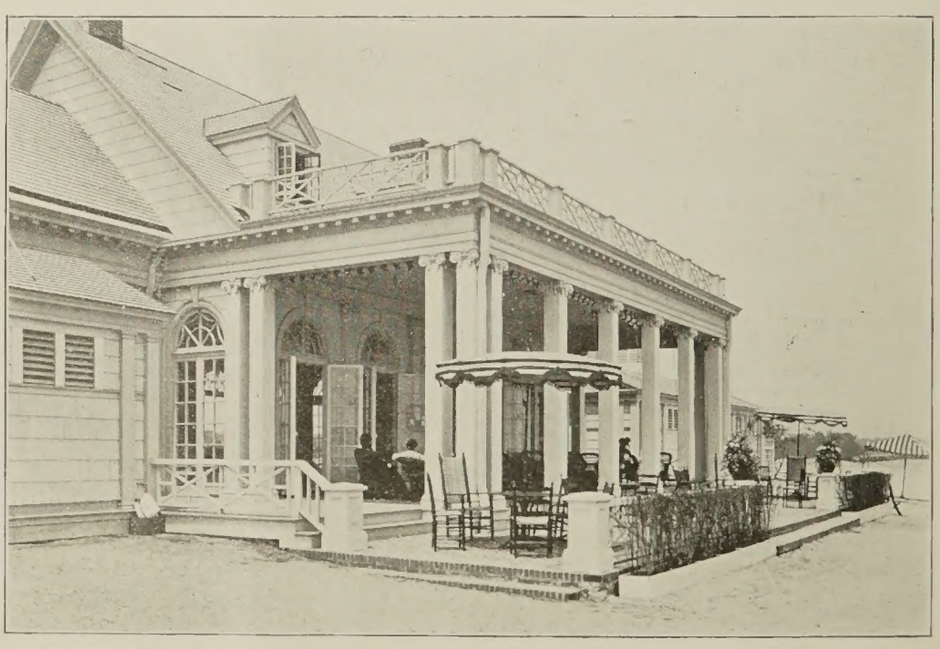
On pages 4, 6, 8 and 10 will be found tables containing detailed dimensions for all sections of standard type columns. These tables will prove useful to architects and contractors in determining the dimensions of such portions of the building as will be influenced by the columns. In arriving at the diameter or length of columns to be used we recommend that the following proportions be used:

Tuscan or Greek Doric—Height— 7 times diameter
Roman Doric—Height— 8 times diameter
Ionic—Height— 9 times diameter
Corinthian—Height—10 times diameter



Pergola on the grounds of the
Shore Acres Yacht Club,
Mamaroneck, N. Y.

TRIVMPH
LOCK JOINT
COLVMNS



Piping Rock Club,
Locust Valley, L. I.
GUY LOWELL, *Architect*

AVERY CLASSICS